

[CLAIMS]

What is claimed is:

1. A focusing flashlight, comprising a tail cover, a housing body, and a reflector and a bulb holder installed on the housing body, characterized in that the reflector and the bulb holder are connected with each other by the screw threads to adjust the position of the bulb, and there is provided a lock device between the reflector and the bulb holder to fix the relative position of the reflector and the bulb holder.
2. The focusing flashlight according to claim 1, characterized in that a plurality of grooves elongated in the axial direction are formed on the outer wall of the barrel portion of the said reflector at equal intervals; the said lock device is a cylindrical part with protruding ribs formed on its inner wall at equal intervals to be engaged with the said grooves and with projections formed on the end facing the bulb holder at equal intervals; and the bulb holder is provided with a flange on the end contacting the housing body and a plurality of recesses for receiving the said projections are formed on the said flange at equal intervals.
3. The focusing flashlight according to claim 1, characterized in that a plurality of grooves elongated in the axial direction are formed on the outer wall of the barrel portion of the said reflector at equal intervals; the said lock device is a cylindrical part with protruding ribs formed on its inner wall at equal intervals to be engaged with the said grooves and with recesses formed on the end facing the bulb holder at equal intervals; and the bulb holder is provided with a flange on the end contacting the housing body and the said flange is provided with a plurality of projections on the side facing the lock device at equal interval to be engaged with the said recesses.
4. The focusing flashlight according to claim 2 or 3, characterized in that the inside diameter of the said lock device is approximately equal to the outside diameter of the barrel portion of the reflector; the said grooves do not penetrate the wall of the barrel portion of the reflector; and the depth of the said grooves is approximately equal to the height of the said protruding ribs.
5. The focusing flashlight according to claim 2 or 3, characterized in that the width of the said grooves formed on the outer wall of the barrel portion of the reflector is not uniform, with the portion of the grooves near the lampshade of the reflector being relatively narrower and the portion of the grooves near the bulb holder growing larger.
6. The focusing flashlight according to claim 2 or 3, characterized in that the width of the said grooves on the outer wall of the barrel portion of the reflector is uniform, and a spring around the barrel portion of the reflector is provided between the lock device

and the reflector.

7. The focusing flashlight according to claim 1, characterized in that a plurality of protruding ribs elongated in the axial direction are formed on the outer wall of the barrel portion of the said reflector at equal intervals; the said lock device is a cylindrical part with grooves formed on its inner wall at equal intervals to be engaged with the protruding ribs and with projections formed on the end facing the bulb holder at equal intervals; and the bulb holder is provide with a flange on the end contacting the housing body and a plurality of recesses for receiving the said projections are formed on the said flange at equal intervals.

8. The focusing flashlight according to claim 1, characterized in that a plurality of protruding ribs elongated in the axial direction are formed on the outer wall of the barrel portion of the said reflector at equal intervals; the said lock device is a cylindrical part with grooves formed on its inner wall at equal intervals to be engaged with the protruding ribs and with recesses formed on the end facing the bulb holder at equal intervals; and the bulb holder is provided with a flange on the end contacting the housing body and the said flange is provided with a plurality of projections on the side facing the lock device at equal intervals to be engaged with the said recesses.

9. The focusing flashlight according to claim 7 or 8, characterized in that the inside diameter of the said lock device is approximately equal to the outside diameter of the barrel portion of the reflector; the said grooves do not penetrate the wall of the lock device; and the depth of the said grooves is approximately equal to the height of the said protruding ribs.

10. The focusing flashlight according to claim 7 or 8, characterized in that the width of the said grooves formed on the inner wall of the lock device is not uniform, with the portion of the grooves near the lampshade of the reflector being larger and the portion of the grooves near the bulb holder becoming smaller.

11. The focusing flashlight according to claim 7 or 8, characterized in that the width of the said grooves formed on the inner wall of the lock device is uniform, and a spring around the barrel portion of the reflector is provided between the lock device and the reflector.

12. The focusing flashlight according to any of claim 2, 3, 7 or 8, characterized in that the number of the said grooves is the same as or an integral multiple of the number of the said protruding ribs.

13. The focusing flashlight according to any of claim 2, 3, 7 or 8, characterized in that the number of the said recesses is the same as or an integral multiple of the number of the said projections.

14. The focusing flashlight according to claim 1, characterized in that the said screw threads include the inner screw threads formed on the inner wall of the barrel portion of the said reflector and the outer screw threads formed on the outer wall of the said bulb holder and to be engaged with the said inner screw threads.